

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000065**Date Inspected:** 19-May-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Huang Wei**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** N/A**Bridge No:** 34-0006**Component:** N/A**Bid Item:** 52**Lot No:** N/A**Summary of Items Observed:**

The CALTRANS Quality Assurance (QA) Inspector, Alfredo Acuna was present to observe quality control functions related to welding, testing and fabrication of the mock-ups at the Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island for the San Francisco Oakland Bay Self Anchored Suspension Bridge. The QA inspector observed approximately fifty (50) ZPMC shop personnel performing fabrication activities on elevation 77.000 (diaphragm 3B), elevation 89.000 (diaphragm 2C), elevation 114.000 (tower splice) at the ZPMC OBG workshop. The QA inspector observed twenty one(21) ZPMC shop personnel performing activities associated with the fabrication and procedure qualification testing for the close rib at the Gantry welding machine using the gas metal arc welding (GMAW). The QA inspector observed ZPMC, ABF, Inspectech and Bureau Veritas inspectors performing observations and inspections. The digital photos below show ZPMC performing fabrication activities associated with the close ribs (before the Caltrans close ribs trial). In addition with the dimensional measurement taken on the root face (approximately 2.5 mm with a optical comparator)from the close ribs before bending the plate.

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## SOURCE INSPECTION REPORT

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### Summary of Conversations:

The QA inspector did not have any relevant conversation on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Acuna,Alfredo	Quality Assurance Inspector
<b>Reviewed By:</b>	McClary,David	QA Reviewer

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